

Other Heavy and Civil Engineering Construction: 2002

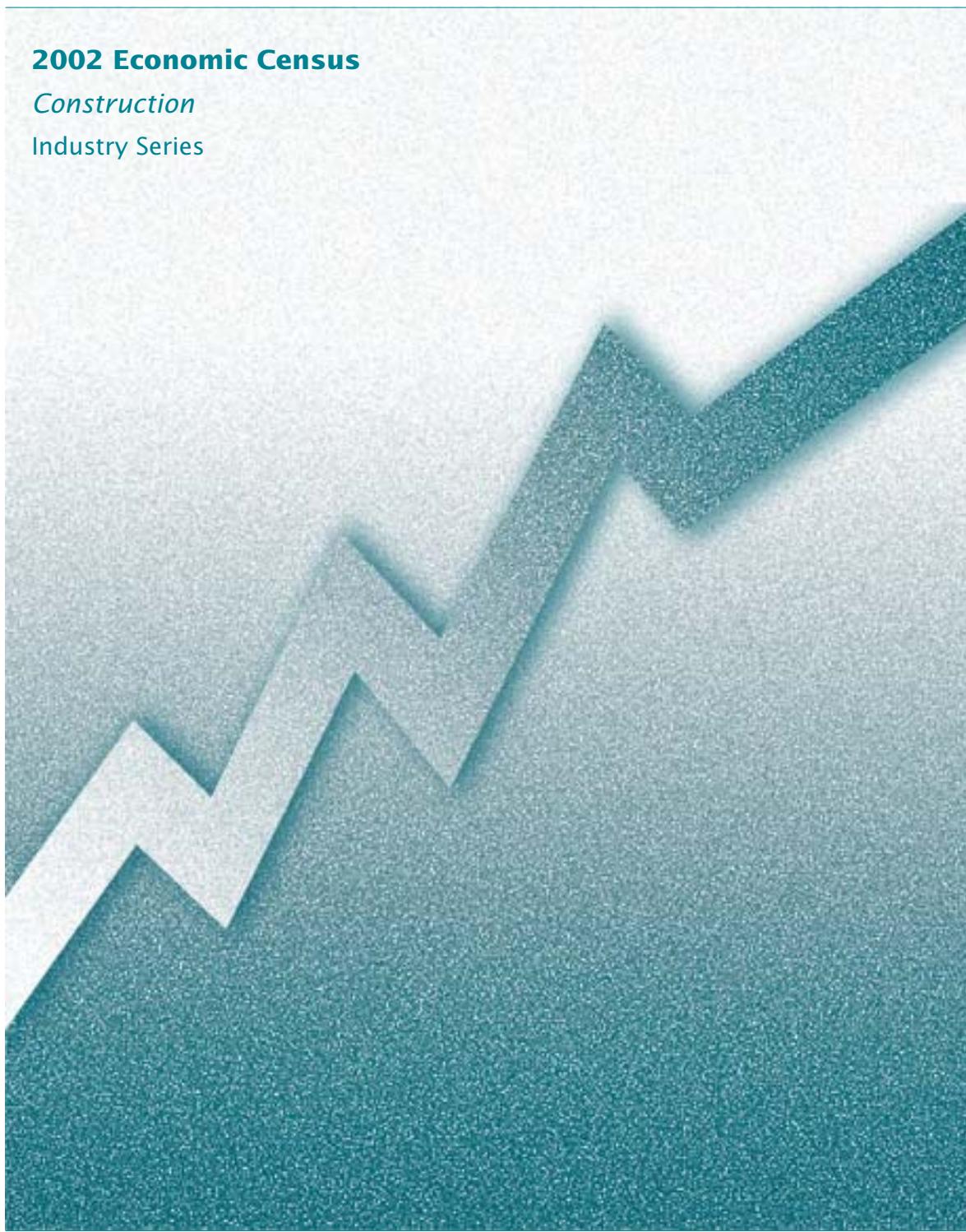
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2002 Economic Census

Construction

Industry Series



U.S. CENSUS BUREAU

Helping You Make Informed Decisions

U.S. Department of Commerce
Economics and Statistics Administration
U.S. CENSUS BUREAU



CONTENTS

Introduction to the Economic Census	v
Construction	ix
Tables	
1. Industry Statistics on 2002 NAICS Basis Distributed Among 1997 NAICS-Based Industries for the United States: 2002....	1
2. Employment Statistics for Establishments by State: 2002	2
3. General Statistics for Establishments by State: 2002	3
4. Detailed Statistics for Establishments: 2002	4
5. Selected Statistics for Establishments by Employment Size Class: 2002	5
6. Selected Statistics for Establishments by Value of Business Done Size Class: 2002	6
7. Value of Construction Work for Establishments by Type of Construction: 2002	7
8. Selected Statistics for Establishments by Specialization in Types of Construction: 2002.....	8
9. Value of Business Done for Establishments by Kind-of-Business Activity: 2002	10
10. Selected Statistics for Establishments by Specialization in Kind-of-Business Activity: 2002	11
11. Value of Construction Work for Establishments by Location of Construction Work: 2002.....	12
Appendices	
A. Explanation of Terms	A-1
B. NAICS Codes, Titles, and Descriptions	B-1
C. Methodology.....	C-1
D. Geographic Notes	--
E. Metropolitan and Micropolitan Statistical Areas	--
F. Detailed NAICS and Bridge Code Titles: 2002	F-1

-- Not applicable for this report.

Table 1. Industry Statistics on 2002 NAICS Basis Distributed Among 1997 NAICS-Based Industries for the United States: 2002

[Thousand dollars unless otherwise noted. Detail may not add to total because of rounding. Data based on the 2002 Economic Census. For information on confidentiality protection, sampling error, and nonsampling error, see note at end of table. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A. For detailed title descriptions, see Appendix F]

2002 NAICS code	1997 bridge code	Industry or bridge	Number of estab- lishments	Total number of employees	Total payroll	Value of construction work ¹	Net value of construction work	Value added	Cost of materials, components, supplies, and fuels	Capital expenditures, other than land
			A	B	C	D	E	F	G	H
237990		Other heavy and civil engineering construction	10 502	154 071	4 997 397	21 801 289	18 107 602	12 042 082	6 419 453	1 134 030
	23412000	Bridge and tunnel construction (pt)	105	5 956	324 968	1 320 853	1 042 430	778 715	266 078	59 557
	23499000	All other heavy construction (pt)	10 310	146 573	4 612 764	20 246 443	16 848 994	11 123 244	6 076 264	1 067 992
	23599000	All other special trade contractors (pt)	86	1 541	59 665	233 993	216 178	140 124	77 112	6 480

¹For the 2002 Economic Census, the definition of value of construction work has been modified from the 1997 Economic Census definition. See Appendix A for the modified definition.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain sampling errors and nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 2. Employment Statistics for Establishments by State: 2002

[Detail may not add to total because of rounding. Data based on the 2002 Economic Census. For information on confidentiality protection, sampling error, nonsampling error, and geographical definitions, see note at end of table. For information on geographic areas followed by *, see Appendix D. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A.]

Location of establishment	Number of establishments	Number of employees		Number of construction workers				Payroll (thousand dollars)		Relative standard error of estimate (percent) for column—
		Total	Construction workers	January to March	April to June	July to September	October to December	Total	Construction workers	
		A	B	C	D	E	F	G	H	I
237990, Other heavy and civil engineering construction										
United States.....	10 502	154 071	119 355	S D	124 552 D	126 893 D	122 633 D	4 997 397 D	3 530 666 D	3 21
Alabama.....	165	1 100	D	D	439	652	D	28 290	D	17
Alaska.....	69	596	D	D	D	D	D	44 902	D	32
Arizona.....	112	1 493	D	D	D	D	D	22 693	D	S
Arkansas.....	179	D	D	D	D	D	D	663 065	D	6
California.....	862	18 844	D	12 692	13 659	D	13 998	D	D	
Colorado.....	285	2 807	D	D	2 283	D	D	101 131	D	17
Connecticut.....	109	1 032	D	637	D	D	D	46 145	D	19
Delaware.....	36	480	D	D	D	D	D	17 387	14 703	20
District of Columbia.....	3	D	D	D	D	D	D	D	D	S
Florida.....	550	8 625	D	D	7 268	7 507	7 388	245 094	D	9
Georgia.....	340	5 033	D	D	D	D	D	144 045	D	16
Hawaii.....	29	D	D	D	D	D	D	D	D	S
Idaho.....	104	456	D	303	D	D	D	11 849	D	26
Illinois.....	336	6 718	D	3 941	D	D	D	271 859	D	13
Indiana.....	361	4 097	D	3 357	D	D	D	119 363	D	24
Iowa.....	223	D	D	D	D	D	D	D	D	S
Kansas.....	96	D	D	D	D	447	D	D	D	S
Kentucky.....	156	D	D	D	D	D	D	35 540	D	S
Louisiana.....	316	4 834	D	D	D	4 043	D	129 043	D	5
Maine.....	99	D	D	D	469	509	469	D	D	S
Maryland.....	190	2 727	D	D	D	D	D	78 051	D	16
Massachusetts.....	257	5 236	4 079	3 821	4 201	4 242	4 052	D	D	5
Michigan.....	196	3 433	2 613	D	D	2 970	D	D	D	9
Minnesota.....	290	1 959	D	D	1 372	1 603	1 563	62 824	D	20
Mississippi.....	160	1 071	D	697	D	736	D	29 895	D	12
Missouri.....	327	3 226	D	2 354	D	D	D	124 221	D	9
Montana.....	87	672	D	D	D	554	559	27 730	18 457	8
Nebraska.....	190	D	D	D	D	D	D	D	D	S
Nevada.....	113	D	D	D	D	D	D	D	D	S
New Hampshire.....	56	768	D	D	705	D	D	D	D	16
New Jersey.....	175	8 295	6 550	4 675	D	D	6 926	239 973	186 509	6
New Mexico.....	50	497	D	D	412	D	D	D	D	19
New York.....	474	9 205	6 990	D	7 398	D	D	331 534	D	4
North Carolina.....	450	3 400	D	2 301	2 463	D	2 301	81 223	D	23
North Dakota.....	28	D	D	D	D	D	D	D	D	S
Ohio.....	289	3 657	D	D	2 661	2 858	2 688	D	D	9
Oklahoma.....	155	1 101	D	D	D	D	D	D	D	18
Oregon.....	126	966	690	661	661	D	D	35 305	26 273	17
Pennsylvania.....	223	5 126	D	D	D	D	D	101 668	D	15
Rhode Island.....	41	513	D	D	D	400	D	D	D	15
South Carolina.....	187	1 616	D	D	1 239	1 241	1 213	52 680	D	24
South Dakota.....	34	153	D	D	118	115	108	4 903	3 243	25
Tennessee.....	201	2 623	D	2 150	2 158	D	D	84 836	D	27
Texas.....	742	15 226	D	11 254	12 719	D	D	380 824	D	18
Utah.....	68	1 360	1 047	D	1 032	D	1 157	49 781	D	4
Vermont.....	83	423	D	D	376	408	D	8 903	D	27
Virginia.....	219	D	D	D	1 950	D	1 823	96 578	D	S
Washington.....	356	10 016	8 506	8 161	D	8 857	D	366 560	283 072	4
West Virginia.....	81	1 045	D	D	902	921	795	44 660	34 332	7
Wisconsin.....	167	D	D	D	D	D	D	56 730	D	S
Wyoming.....	56	341	257	D	258	D	267	D	D	26

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain sampling errors and nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C. For geographical definitions, see Appendix D.

Table 3. General Statistics for Establishments by State: 2002

[Thousand dollars unless otherwise noted. Detail may not add to total because of rounding. Data based on the 2002 Economic Census. For information on confidentiality protection, sampling error, nonsampling error, and geographical definitions, see note at end of table. For information on geographic areas followed by *, see Appendix D. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A.]

Location of establishment	Value of construction work ²		Net value of construction work	Value added	Cost of materials, components, supplies, and fuels	Cost of construction work subcontracted out to others	Total rental costs	Capital expenditures, other than land	End-of-year gross book value of depreciable assets	Relative standard error of estimate (percent) for column—		
	E ¹	A	B	C	D	E	F	G	H	I	C	H
237990, Other heavy and civil engineering construction												
United States	2	21 801 289	18 107 602	12 042 082	6 419 453	3 693 686	678 271	1 134 030	9 697 613	3	4	
Alabama	3	D	114 619	72 322	45 266	D	2 500	5 370	105 331	22	32	
Alaska	—	101 630	D	67 254	24 259	D	4 120	7 260	D	S	17	
Arizona	—	D	D	131 315	D	D	3 155	7 965	D	S	44	
Arkansas	2	D	D	D	23 710	6 034	3 022	11 048	66 995	S	37	
California	2	D	2 148 619	1 445 908	D	91 275	117 334	802 459	7	13		
Colorado	1	D	D	221 613	D	D	9 842	10 065	184 593	S	17	
Connecticut	2	D	D	D	D	12 911	7 056	4 120	45 964	S	29	
Delaware	2	D	D	D	D	D	D	D	D	S	S	
District of Columbia	—	D	D	D	D	D	D	D	D	S	S	
Florida	1	D	1 018 700	659 020	D	D	37 176	55 651	339 330	12	22	
Georgia	2	D	676 878	488 037	D	D	14 183	56 320	386 283	22	40	
Hawaii	2	D	D	D	D	D	D	D	D	S	S	
Idaho	2	48 067	44 399	31 279	13 139	3 668	1 469	804	22 061	18	24	
Illinois	1	1 150 758	D	704 286	D	D	66 394	56 164	802 653	S	14	
Indiana	1	409 428	333 601	227 173	112 717	75 827	10 980	15 554	D	11	11	
Iowa	1	D	D	D	D	D	D	D	D	S	S	
Kansas	—	D	46 931	34 671	D	D	1 403	2 191	75 633	29	68	
Kentucky	7	D	170 660	122 793	D	D	7 359	9 418	46 214	19	34	
Louisiana	1	D	399 934	264 734	D	D	19 139	24 339	282 308	5	10	
Maine	3	79 473	72 511	50 370	22 804	6 962	3 101	4 544	52 177	13	19	
Maryland	2	D	D	D	95 927	D	13 759	16 012	140 617	S	17	
Massachusetts	2	D	933 950	748 924	D	D	25 260	26 820	235 031	4	14	
Michigan	4	D	470 436	345 378	D	D	13 944	83 577	290 925	13	2	
Minnesota	1	D	283 920	209 566	D	D	7 370	22 666	228 426	11	14	
Mississippi	5	D	115 108	D	D	D	4 068	10 818	70 402	22	16	
Missouri	—	D	D	D	220 948	D	D	30 078	203 767	S	13	
Montana	1	D	D	D	D	2 022	3 007	37 737	S	8		
Nebraska	1	D	D	D	D	D	D	D	D	S	S	
Nevada	1	D	D	D	53 979	D	D	D	D	S	S	
New Hampshire	5	D	D	61 790	D	D	3 033	7 242	50 336	S	33	
New Jersey	1	D	956 262	655 793	D	D	14 376	103 804	980 263	5	6	
New Mexico	4	D	D	D	D	D	2 204	3 336	15 149	S	55	
New York	1	1 683 409	1 220 722	793 308	435 770	462 687	35 281	57 386	453 976	5	7	
North Carolina	1	337 059	282 179	215 913	80 434	54 880	6 251	25 972	178 027	18	46	
North Dakota	—	D	24 552	D	D	D	D	2 031	D	20	59	
Ohio	2	D	425 148	312 242	D	D	30 096	23 196	202 561	9	22	
Oklahoma	2	D	123 501	82 472	D	D	2 861	5 510	56 853	31	36	
Oregon	—	D	D	79 052	D	D	3 855	2 298	46 965	S	6	
Pennsylvania	1	D	D	334 430	D	D	D	57 860	250 043	S	5	
Rhode Island	4	D	79 905	D	D	D	D	D	D	17	S	
South Carolina	1	D	D	122 100	D	D	D	7 574	D	S	23	
South Dakota	3	D	15 986	12 143	D	D	325	1 357	17 731	26	17	
Tennessee	—	D	253 910	157 451	D	D	8 112	13 684	140 124	14	17	
Texas	5	2 142 120	1 799 614	1 091 091	726 473	342 505	86 019	106 634	1 131 774	22	21	
Utah	2	D	189 304	138 437	51 046	D	7 641	4 042	64 764	2	6	
Vermont	3	D	34 321	D	D	D	D	D	26 858	27	S	
Virginia	1	401 128	357 599	232 462	127 146	43 528	13 464	14 479	142 029	6	3	
Washington	1	D	938 229	D	669 466	D	44 353	20 725	142 128	3	14	
West Virginia	1	127 367	115 562	87 963	D	11 805	4 519	7 756	D	6	17	
Wisconsin	2	D	D	179 895	71 780	D	5 419	D	276 067	S	S	
Wyoming	7	D	D	D	D	D	1 478	3 783	21 564	S	44	

¹Construction receipts were obtained from census respondent forms. For establishments whose respondent forms were not received at the time data were tabulated, these data were calculated using industry averages and imputation for nonresponse. The following symbols are shown where estimated imputation-based data on construction receipts account for 10 percent or more of the figures shown: 1–10 to 19 percent; 2–20 to 29 percent; 3–30 to 39 percent; 4–40 to 49 percent; 5–50 to 59 percent; 6–60 to 69 percent; 7–70 to 79 percent; 8–80 to 89 percent; 9–90 percent or more.

²For the 2002 Economic Census, the definition of value of construction work has been modified from the 1997 Economic Census definition. See Appendix A for the modified definition.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain sampling errors and nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C. For geographical definitions, see Appendix D.

Table 4. Detailed Statistics for Establishments: 2002

[Detail may not add to total because of rounding. Data based on the 2002 Economic Census. For information on confidentiality protection, sampling error, and nonsampling error, see note at end of table. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A]

Item	Value	Relative standard error of estimate (percent)
237990, Other heavy and civil engineering construction		
All establishments	number..	10 502
All employees	number..	154 071
Construction workers in March	number..	S
Construction workers in May	number..	124 552
Construction workers in August	number..	126 893
Construction workers in November	number..	122 633
Average number of construction workers	number..	119 355
Other employees in March	number..	S
Other employees in May	number..	34 773
Other employees in August	number..	34 355
Other employees in November	number..	33 741
Average number of other employees	number..	34 716
Total payroll	\$1,000..	4 997 397
Construction workers	\$1,000..	3 530 666
Other employees	\$1,000..	1 466 760
First-quarter payroll, all employees	\$1,000..	1 152 630
Fringe benefits, all employees	\$1,000..	1 228 035
Legally required expenditures	\$1,000..	703 155
Voluntary expenditures	\$1,000..	524 879
Value of business done ¹	\$1,000..	22 155 222
Value of construction work ¹	\$1,000..	21 801 289
Value of construction work on government owned projects	\$1,000..	9 751 871
Value of construction work on federally owned projects	\$1,000..	2 736 513
Value of construction work on state and locally owned projects	\$1,000..	7 015 358
Value of construction work on privately owned projects	\$1,000..	12 049 418
Other business receipts	\$1,000..	353 933
Value of construction work subcontracted in from others	\$1,000..	6 822 253
Net value of construction work	\$1,000..	18 107 602
Value added	\$1,000..	12 042 082
Selected costs	\$1,000..	10 113 139
Materials, parts, and supplies	\$1,000..	5 796 186
Construction work subcontracted out to others	\$1,000..	3 693 686
Selected power, fuels, and lubricants	\$1,000..	623 267
Purchased electricity	\$1,000..	63 617
Natural gas and manufactured gas	\$1,000..	23 735
Gasoline and diesel fuel	\$1,000..	459 395
On-highway use of gasoline and diesel fuel	\$1,000..	186 016
Off-highway use of gasoline and diesel fuel	\$1,000..	273 379
All other fuels and lubricants	\$1,000..	76 519
Total rental costs	\$1,000..	678 271
Machinery and equipment	\$1,000..	588 017
Buildings	\$1,000..	90 254
Selected purchased services	\$1,000..	1 055 680
Communication services	\$1,000..	180 460
Repairs to buildings and other structures	\$1,000..	189 904
Repairs to machinery and equipment	\$1,000..	474 645
Legal services	\$1,000..	55 240
Accounting, auditing, and bookkeeping services	\$1,000..	97 023
Advertising and promotional services	\$1,000..	S
Beginning-of-year gross book value of depreciable assets	\$1,000..	8 916 996
Capital expenditures, other than land	\$1,000..	1 134 030
Retirements and disposition of depreciable assets	\$1,000..	353 383
End-of-year gross book value of depreciable assets	\$1,000..	9 697 613
Depreciation charges during year	\$1,000..	960 564
Establishments with inventories	number..	1 424
Value of construction work for establishments with inventories	\$1,000..	4 865 116
End-of-2002, inventories of materials and supplies	\$1,000..	249 462
End-of-2001, inventories of materials and supplies	\$1,000..	238 127
Establishments with no inventories	number..	7 817
Value of construction work for establishments with no inventories	\$1,000..	15 577 849
Establishments not reporting inventories	number..	1 260
Value of construction work for establishment not reporting inventories	\$1,000..	1 358 324

¹For the 2002 Economic Census, the definitions of value of business done and value of construction work has been modified from the 1997 Economic Census definition. See Appendix A for the modified definitions.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain sampling errors and nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 5. Selected Statistics for Establishments by Employment Size Class: 2002

[Detail may not add to total because of rounding. Data based on the 2002 Economic Census. For information on confidentiality protection, sampling error, and nonsampling error, see note at end of table. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A]

Employment size class	E ¹	Number of establishments	Total number of employees	Total payroll	Value of business done ²	Value of construction work ²	Net value of construction work	Value added	Cost of materials, components, supplies, and fuels	Cost of construction work subcontracted out to others	Relative standard error of estimate (percent) for column—
	A	B	C	D	E	F	G	H	I	J	C
237990, Other heavy and civil engineering construction											
All establishments	2	10 502	154 071	4 997 397	22 155 222	21 801 289	18 107 602	12 042 082	6 419 453	3 693 686	3
Establishments with—											
1 to 4 employees	—	5 781	12 091	274 333	1 364 952	1 345 474	1 204 328	830 428	393 378	141 146	6
5 to 9 employees	—	2 056	13 308	388 374	1 687 065	1 659 394	1 428 069	980 739	475 002	231 325	8
10 to 19 employees	—	1 410	18 780	596 874	2 391 434	2 354 500	2 106 373	1 402 616	740 691	248 127	9
20 to 49 employees	—	828	24 817	890 278	3 636 710	3 571 707	3 151 027	2 157 384	1 058 646	420 680	8
50 to 99 employees	—	194	13 035	517 803	2 191 200	2 124 590	1 698 263	1 256 131	508 743	426 326	8
100 to 249 employees	—	159	22 258	864 021	3 881 481	3 832 496	3 027 867	2 058 192	1 018 660	804 629	11
250 to 499 employees	—	41	D	D	D	D	D	D	D	D	S
500 to 999 employees	—	22	D	D	D	D	D	D	D	D	S
1,000 employees or more	—	11	19 878	628 315	2 747 366	2 720 645	2 251 041	1 366 620	911 142	469 604	—

¹Construction receipts were obtained from census respondent forms. For establishments whose respondent forms were not received at the time data were tabulated, these data were calculated using industry averages and imputation for nonresponse. The following symbols are shown where estimated imputation-based data on construction receipts account for 10 percent or more of the figures shown: 1–10 to 19 percent; 2–20 to 29 percent; 3–30 to 39 percent; 4–40 to 49 percent; 5–50 to 59 percent; 6–60 to 69 percent; 7–70 to 79 percent; 8–80 to 89 percent; 9–90 percent or more.

²For the 2002 Economic Census, the definitions of value of business done and value of construction work has been modified from the 1997 Economic Census definition. See Appendix A for the modified definitions.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain sampling errors and nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 6. Selected Statistics for Establishments by Value of Business Done Size Class: 2002

[Detail may not add to total because of rounding. Data based on the 2002 Economic Census. For information on confidentiality protection, sampling error, and nonsampling error, see note at end of table. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A]

Dollar value size class	E ¹	Number of establishments	Total number of employees	Total payroll	Value of business done ²	Value of construction work ²	Net value of construction work	Value added	Cost of materials, components, supplies, and fuels	Cost of construction work subcontracted out to others	Relative standard error of estimate (percent) for column—
	A										
237990, Other heavy and civil engineering construction											
All establishments	2	10 502	154 071	4 997 397	22 155 222	21 801 289	18 107 602	12 042 082	6 419 453	3 693 686	3
Establishments with value of business done—											
Less than \$25,000	4	97	D	D	D	D	D	D	D	D	201
\$25,000 to \$49,999	—	466	D	D	D	D	D	D	D	D	S
\$50,000 to \$99,999	—	900	1 398	18 251	66 935	64 859	D	42 854	D	D	S
\$100,000 to \$249,999	—	2 448	5 462	104 597	402 868	395 169	359 760	259 547	107 913	35 409	9
\$250,000 to \$499,999	—	2 056	8 220	189 331	738 591	730 076	659 736	464 605	203 646	70 340	9
\$500,000 to \$999,999	—	1 770	11 685	305 730	1 241 189	1 228 468	1 120 753	781 473	352 001	107 715	9
\$1,000,000 to \$2 499,999	—	1 494	20 520	666 989	2 381 740	2 330 865	2 003 566	1 398 312	656 129	327 299	9
\$2,500,000 to \$4,999,999	—	589	14 543	506 594	2 029 180	1 990 299	1 769 302	1 151 744	656 439	220 997	10
\$5,000,000 to \$9,999,999	—	339	15 011	516 324	2 394 356	2 351 559	2 031 875	1 360 628	714 044	319 684	13
\$10,000,000 or more	—	343	76 605	2 683 416	12 881 285	12 690 929	10 087 552	6 570 723	3 707 185	2 603 377	4

¹Construction receipts were obtained from census respondent forms. For establishments whose respondent forms were not received at the time data were tabulated, these data were calculated using industry averages and imputation for nonresponse. The following symbols are shown where estimated imputation-based data on construction receipts account for 10 percent or more of the figures shown: 1–10 to 19 percent; 2–20 to 29 percent; 3–30 to 39 percent; 4–40 to 49 percent; 5–50 to 59 percent; 6–60 to 69 percent; 7–70 to 79 percent; 8–80 to 89 percent; 9–90 percent or more.

²For the 2002 Economic Census, the definitions of value of business done and value of construction work has been modified from the 1997 Economic Census definition. See Appendix A for the modified definitions.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain sampling errors and nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 7. Value of Construction Work for Establishments by Type of Construction: 2002

[Detail may not add to total because of rounding. Data based on the 2002 Economic Census. For information on confidentiality protection, sampling error, and nonsampling error, see note at end of table. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A]

Type of construction	Value of construction work ¹				Relative standard error of estimate (percent) for column—			
	Total	New construction	Additions, alterations, or reconstruction	Maintenance and repair				
	A	B	C	D	A	B	C	D
237990, Other heavy and civil engineering construction								
Total	21 801 289	13 627 595	4 026 619	4 147 075	2	3	4	3
Building construction, total	1 907 338	1 462 561	294 603	150 175	5	6	6	4
Other building construction	1 907 338	1 462 561	294 603	150 175	5	6	6	4
Nonbuilding construction, total	19 530 093	11 801 178	3 732 016	3 996 900	3	3	4	3
Highways, streets, and related work, such as installation of guardrails and signs	1 051 303	498 655	416 206	136 443	11	15	11	31
Conservation and development construction, such as drainage canals and flood control projects	3 655 326	2 121 972	578 400	954 955	4	5	6	4
Outdoor recreational areas, such as outdoor athletic fields, courts, golf courses, and camp grounds	1 736 102	1 158 841	343 816	233 444	9	9	12	22
Other nonbuilding construction	13 087 362	8 021 710	2 393 594	2 672 058	3	4	5	4
Construction work, nsk	363 857	363 857	—	—	—	—	—	—

¹For the 2002 Economic Census, the definition of value of construction work has been modified from the 1997 Economic Census definition. See Appendix A for the modified definition.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain sampling errors and nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 8. Selected Statistics for Establishments by Specialization in Types of Construction: 2002

[Thousand dollars unless otherwise noted. Detail may not add to total because of rounding. This table presents selected statistics for establishments according to degree of specialization in major types of construction work. If number of establishments or value of construction work for a given type of specialization are relatively insignificant, data may not be shown. In addition, data are not shown in this table where distribution of the value of construction work by type of construction was not provided in Table 7. Data based on the 2002 Economic Census. For information on confidentiality protection, sampling error, and nonsampling error, see note at the end of table. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A.]

Item	Number of establishments	Total number of employees	Total payroll	Value of construction work for specialized type	Net value of construction work	Value added	Cost of construction work subcontracted out to others	Relative standard error of estimate (percent) for column—
	A	B	C	D	E	F	G	
237990, Other heavy and civil engineering construction								
Total	10 502	154 071	4 997 397	X	18 107 602	12 042 082	3 693 686	3
Establishments specializing 51 percent or more...	8 851	123 371	3 800 981	14 984 347	14 090 430	9 343 906	2 898 310	3
Building construction, total								
Establishments specializing 51 percent or more...	440	4 849	193 934	495 634	533 909	393 940	110 575	8
Specialization 100 percent	220	1 694	64 228	197 769	172 414	130 630	25 355	13
Specialization 90 to 99 percent	33	386	17 931	47 337	50 355	44 043	1 058	—
Specialization 80 to 89 percent	54	305	8 209	17 163	19 139	12 750	1 203	35
Specialization 70 to 79 percent	61	659	32 283	87 364	112 916	68 427	2 980	9
Specialization 60 to 69 percent	33	770	35 207	53 711	80 149	60 403	8 217	1
Specialization 51 to 59 percent	38	1 035	36 076	92 290	98 936	77 686	71 763	11
Other building construction								
Establishments specializing 51 percent or more...	440	4 849	193 934	495 634	533 909	393 940	110 575	8
Specialization 100 percent	220	1 694	64 228	197 769	172 414	130 630	25 355	13
Specialization 90 to 99 percent	33	386	17 931	47 337	50 355	44 043	1 058	—
Specialization 80 to 89 percent	54	305	8 209	17 163	19 139	12 750	1 203	35
Specialization 70 to 79 percent	61	659	32 283	87 364	112 916	68 427	2 980	9
Specialization 60 to 69 percent	33	770	35 207	53 711	80 149	60 403	8 217	1
Specialization 51 to 59 percent	38	1 035	36 076	92 290	98 936	77 686	71 763	11
Nonbuilding construction, total								
Establishments specializing 51 percent or more...	8 014	115 785	3 522 233	14 132 838	13 229 741	8 658 701	2 758 152	3
Specialization 100 percent	5 606	75 236	2 198 338	9 578 275	7 978 644	5 169 792	1 599 631	3
Specialization 90 to 99 percent	638	7 895	225 024	1 137 266	985 377	683 396	242 436	4
Specialization 80 to 89 percent	438	5 656	188 843	690 015	736 855	496 429	108 297	10
Specialization 70 to 79 percent	646	10 072	310 372	1 139 964	1 263 838	798 616	266 705	21
Specialization 60 to 69 percent	348	8 364	261 262	746 516	985 513	594 102	217 212	7
Specialization 51 to 59 percent	336	8 562	338 393	840 802	1 279 514	916 367	323 870	5
Highways, streets, and related work, such as installation of guardrails and signs								
Establishments specializing 51 percent or more...	245	1 827	54 194	176 610	201 896	143 621	17 539	16
Specialization 100 percent	161	692	17 178	52 948	48 426	36 836	4 522	39
Specialization 90 to 99 percent	13	184	7 629	24 685	24 156	17 392	3 002	55
Specialization 80 to 89 percent	25	213	6 018	50 366	60 625	42 408	2 088	19
Specialization 70 to 79 percent	7	139	3 996	14 063	17 013	8 934	1 829	3
Specialization 60 to 69 percent	29	378	12 500	22 761	32 239	23 141	3 919	32
Specialization 51 to 59 percent	10	221	6 872	11 786	19 436	14 910	2 179	13
Conservation and development construction, such as drainage canals and flood control projects								
Establishments specializing 51 percent or more...	4 260	34 501	760 449	3 243 801	3 133 525	2 043 071	574 711	6
Specialization 100 percent	2 856	20 941	437 300	1 858 635	1 588 261	1 050 579	270 374	11
Specialization 90 to 99 percent	390	3 730	63 907	516 116	464 460	296 593	102 665	7
Specialization 80 to 89 percent	191	1 935	67 588	225 812	249 346	170 654	29 745	26
Specialization 70 to 79 percent	373	2 276	51 451	289 163	325 499	199 198	66 500	6
Specialization 60 to 69 percent	175	3 415	66 013	217 057	292 857	177 058	59 111	9
Specialization 51 to 59 percent	275	2 204	74 191	137 019	213 101	148 990	46 316	22
Outdoor recreational areas, such as outdoor athletic fields, courts, golf courses, and camp grounds								
Establishments specializing 51 percent or more...	889	12 167	328 079	1 614 921	1 436 183	901 676	320 089	8
Specialization 100 percent	742	9 415	247 354	1 353 590	1 140 253	733 442	213 338	9
Specialization 90 to 99 percent	21	318	8 630	27 576	23 981	15 594	5 313	8
Specialization 80 to 89 percent	83	471	7 503	35 503	38 825	26 721	5 397	77
Specialization 70 to 79 percent	8	232	8 302	32 712	30 392	18 541	11 894	49
Specialization 60 to 69 percent	30	739	23 585	89 625	97 625	12 515	40 827	33
Specialization 51 to 59 percent	5	993	32 705	75 914	105 107	94 864	43 320	23
Other nonbuilding construction								
Establishments specializing 51 percent or more...	2 619	67 290	2 379 512	9 097 507	8 458 138	5 570 333	1 845 813	3
Specialization 100 percent	1 847	44 189	1 496 507	6 313 102	5 201 704	3 348 935	1 111 397	3
Specialization 90 to 99 percent	215	3 664	144 859	568 889	472 780	353 818	131 455	4
Specialization 80 to 89 percent	140	3 036	107 734	378 334	388 059	256 646	71 067	9
Specialization 70 to 79 percent	258	7 425	246 623	804 027	890 933	571 944	186 483	30
Specialization 60 to 69 percent	114	3 832	159 164	417 073	562 793	381 387	113 355	2
Specialization 51 to 59 percent	45	5 144	224 625	616 083	941 870	657 603	232 056	2
Construction work, nsk								
Establishments specializing 51 percent or more...	398	2 737	84 814	355 874	326 779	291 265	29 582	—
Specialization 100 percent	394	2 714	84 122	354 412	325 164	290 195	29 248	—
Specialization 70 to 79 percent	3	24	692	1 463	1 615	1 069	335	—

See footnotes at end of table

8 Other Heavy Construction

Construction—Industry Series

U.S. Census Bureau, 2002 Economic Census

**Table 8. Selected Statistics for Establishments by Specialization in Types of Construction:
2002—Con.**

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain sampling errors and nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 9. Value of Business Done for Establishments by Kind-of-Business Activity: 2002

[Thousand dollars unless otherwise noted. Detail may not add to total because of rounding. Based on their primary business activity or combination of activities, establishments were classified into this specific industry. These establishments, however, may also be engaged in other kinds of business activities. Data based on the 2002 Economic Census. For information on confidentiality protection, sampling error, and nonsampling error, see note at end of table. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A]

Primary and other kind of business activities	Value of business done ¹	Relative standard error of estimate (percent)
237990, Other heavy and civil engineering construction		
Total	22 155 222	3
Heavy construction and civil engineering construction, total	16 409 489	3
Heavy construction contractor, such as bridges, tunnels, pipelines, and utility lines	11 839 334	4
Excavation work, earthmoving or land clearing contractor, not connected with buildings	3 285 151	4
Rental of construction machinery or equipment (except cranes) with operator	1 285 004	7
All other construction activities	5 257 755	4
Other business activities secondary to construction activities, total	334 176	6
All other business activities secondary to construction activities	334 176	6
Kind of business activity, nsk	153 802	5

¹For the 2002 Economic Census, the definition of value of business done has been modified from the 1997 Economic Census definition. See Appendix A for the modified definition.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain sampling errors and nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 10. Selected Statistics for Establishments by Specialization in Kind-of-Business Activity: 2002

[Thousand dollars unless otherwise noted. Detail may not add to total because of rounding. This table presents selected statistics for establishments according to degree of specialization by major activity of construction work. If number of establishments or value of construction work for a given type of specialization are relatively insignificant, data may not be shown. In addition, data are not shown in this table where distribution of the value of business done by kind of business activity was not provided in Table 9. Data based on the 2002 Economic Census. For information on confidentiality protection, sampling error, and nonsampling error, see note at end of table. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A.]

Item	Number of establishments	Total number of employees	Total payroll	Value of construction work for specialized kind of business	Net value of construction work	Value added	Cost of construction work subcontracted out to others	Relative standard error of estimate (percent) for column—
	A	B	C	D	E	F	G	G
237990, Other heavy and civil engineering construction								
Total	10 502	154 071	4 997 397	X	18 107 602	12 042 082	3 693 686	3
Establishments specializing 51 percent or more...	9 408	138 271	4 445 797	17 896 389	16 361 343	10 752 511	3 255 958	3
Heavy construction and civil engineering construction, total								
Establishments specializing 51 percent or more...	7 526	114 585	3 683 607	14 885 604	13 330 106	8 607 022	2 859 325	3
Specialization 100 percent	5 289	82 388	2 499 586	10 928 403	9 003 424	5 595 047	1 924 980	4
Specialization 90 to 99 percent	570	9 956	326 572	1 632 310	1 448 705	895 082	310 908	11
Specialization 80 to 89 percent	488	4 271	129 772	429 695	433 393	275 467	89 940	16
Specialization 70 to 79 percent	373	5 836	252 843	763 025	871 611	614 825	169 486	10
Specialization 60 to 69 percent	416	6 718	260 184	730 457	967 639	731 214	207 419	8
Specialization 51 to 59 percent	390	5 416	214 650	401 712	605 334	495 387	156 593	9
Heavy construction contractor, such as bridges, tunnels, pipelines, and utility lines								
Establishments specializing 51 percent or more...	3 635	77 296	2 677 493	11 090 381	9 755 940	6 048 497	2 290 218	3
Specialization 100 percent	2 983	56 968	1 844 605	8 331 737	6 741 673	3 998 195	1 590 065	4
Specialization 90 to 99 percent	210	5 758	225 445	1 076 184	948 145	560 075	203 447	16
Specialization 80 to 89 percent	130	2 383	75 798	261 360	258 545	153 570	60 493	22
Specialization 70 to 79 percent	103	3 872	177 264	581 242	646 104	429 514	145 803	5
Specialization 60 to 69 percent	106	4 305	183 711	506 353	669 318	508 646	149 408	11
Specialization 51 to 59 percent	104	4 011	170 670	333 504	492 155	398 497	141 003	10
Excavation work, earthmoving or land clearing contractor, not connected with buildings								
Establishments specializing 51 percent or more...	3 035	26 746	581 584	2 645 415	2 461 089	1 647 885	438 295	3
Specialization 100 percent	1 699	18 082	376 400	1 741 230	1 499 610	1 000 786	241 620	5
Specialization 90 to 99 percent	318	3 136	51 739	430 540	380 106	231 997	95 334	3
Specialization 80 to 89 percent	338	1 600	42 059	142 557	147 952	99 153	24 908	19
Specialization 70 to 79 percent	260	1 440	47 989	135 746	164 249	119 232	20 880	25
Specialization 60 to 69 percent	199	1 644	41 465	155 945	202 786	139 981	47 454	6
Specialization 51 to 59 percent	221	844	21 932	39 397	66 384	56 737	8 100	36
Rental of construction machinery or equipment (except cranes) with operator								
Establishments specializing 51 percent or more...	856	10 543	424 530	1 149 808	1 113 077	910 640	130 812	8
Specialization 100 percent	607	7 338	278 581	855 436	762 141	596 066	93 295	10
Specialization 90 to 99 percent	43	1 063	49 389	125 587	120 454	103 010	12 126	6
Specialization 80 to 89 percent	20	288	11 914	25 778	26 896	22 744	4 539	1
Specialization 70 to 79 percent	10	524	27 591	46 037	61 258	66 079	2 803	4
Specialization 60 to 69 percent	111	769	35 008	68 159	95 535	82 587	10 558	42
Specialization 51 to 59 percent	65	561	22 047	28 811	46 795	40 153	7 491	19
All other construction activities								
Establishments specializing 51 percent or more...	1 782	22 640	726 693	2 867 715	2 910 660	2 055 487	374 141	9
Specialization 100 percent	946	11 564	372 709	1 606 127	1 451 897	1 021 979	154 230	19
Specialization 90 to 99 percent	457	4 619	107 961	499 729	470 179	299 366	66 392	3
Specialization 80 to 89 percent	122	1 077	38 541	139 944	151 473	95 841	22 196	13
Specialization 70 to 79 percent	129	1 890	72 945	255 015	309 082	230 953	37 778	39
Specialization 60 to 69 percent	63	2 523	97 741	288 334	396 623	321 035	75 480	9
Specialization 51 to 59 percent	64	966	36 796	78 567	131 406	86 311	18 065	46
Kind of business activity, nsk								
Establishments specializing 51 percent or more...	101	1 046	35 497	143 070	120 577	90 002	22 493	6
Specialization 100 percent	101	1 046	35 497	143 070	120 577	90 002	22 493	6

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain sampling errors and nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 11. Value of Construction Work for Establishments by Location of Construction Work: 2002

[Thousand dollars unless otherwise noted. Detail may not add to total because of rounding. Data based on the 2002 Economic Census. For information on confidentiality protection, sampling error, nonsampling error, and geographical definitions, see note at end of table. For information on geographic areas followed by *, see Appendix D. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A.]

Location of construction work	Value of construction work ¹	Relative standard error of estimate (percent) for column—
237990, Other heavy and civil engineering construction		
United States.....	21 801 289	3
Construction work done in—		
Alabama	152 235	17
Alaska	112 900	11
Arizona	306 531	19
Arkansas	294 518	5
California	2 651 114	6
Colorado	323 685	14
Connecticut	154 248	17
Delaware	85 345	15
District of Columbia	100 190	2
Florida	1 438 296	10
Georgia	806 338	19
Hawaii	289 455	6
Idaho	44 579	19
Illinois	817 391	13
Indiana	330 701	25
Iowa	196 800	19
Kansas	68 938	24
Kentucky	304 155	14
Louisiana	493 189	5
Maine	82 866	12
Maryland	402 049	10
Massachusetts	841 959	4
Michigan	531 506	13
Minnesota	427 999	8
Mississippi	375 274	8
Missouri	362 290	9
Montana	59 071	5
Nebraska	95 300	16
Nevada	242 673	16
New Hampshire	104 476	29
New Jersey	1 037 636	5
New Mexico	66 165	28
New York	1 963 124	3
North Carolina	442 474	12
North Dakota	27 256	18
Ohio	484 060	8
Oklahoma	132 331	34
Oregon	218 097	9
Pennsylvania	593 623	5
Rhode Island	99 805	13
South Carolina	213 499	21
South Dakota	19 986	23
Tennessee	284 777	12
Texas	2 195 723	21
Utah	209 795	3
Vermont	32 727	24
Virginia	366 569	5
Washington	493 416	6
West Virginia	118 807	5
Wisconsin	257 307	31
Wyoming	48 041	38

¹For the 2002 Economic Census, the definition of value of construction work has been modified from the 1997 Economic Census definition. See Appendix A for the modified definition.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain sampling errors and nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C. For geographical definitions, see Appendix D.